

Appln No. 10/722,002  
Haller et al.  
Final Office Action dated August 4, 2006

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CENTRAL FAX CENTER  
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This listing of claims will replace all prior versions and listing of claims in the application.

LISTING OF CLAIMS

1-4 (cancelled)

5. (previously presented) A heat exchanger for a fluid circuit through which a heat transfer fluid runs, comprising:

at least one manifold delimiting an inlet and an outlet for the heat transfer fluid;

circulation ducts for the heat transfer fluid which are inserted between the inlet and the outlet;

heat-exchange surfaces associated with the heat transfer fluid circulation ducts and able to be swept by a flow of air that is to be conditioned;

cavities designed to contain a heat storage fluid, situated adjacent to the heat transfer fluid circulation ducts; and

a multiplicity of parallel flat tubes having two opposed large faces and in which the ducts and the cavities are formed, and a multiplicity of corrugated inserts forming heat-exchange surfaces, each of which is arranged between two adjacent tubes,

whereby the cavities associated with the heat-exchange surfaces in such a way that the heat storage fluid is able to exchange heat with the air flow that sweeps the heat-exchange surfaces if the circulation of the heat transfer fluid through the circuit is stopped, and wherein each flat tube is of one piece, the ducts are arranged in groups between the large faces, and the cavities are arranged in groups between the large faces, the groups of ducts alternating with the groups of cavities.

6 -13 (cancelled)

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14. (previously presented) The heat exchanger as in claim 5, further comprises at least one conduit which communicates with the cavities.

15-22. (cancelled)

23. (currently amended) The heat exchanger as in claims 18 5, wherein the heat storage fluid is chosen from paraffins, hydrated salts and eutectic compounds.

24. (currently amended) The heat exchanger as in claims 19 5, wherein the heat storage fluid is chosen from paraffins, hydrated salts and eutectic compounds.

25. (cancelled)

26. (currently amended) The heat exchanger as in claim 24 5, wherein the heat storage fluid also comprises water.

27. (currently amended) The heat exchanger as in claim 5, wherein the ~~heating radiator heating fluid~~ heat transfer fluid is found in the circulating ducts for the heat transfer fluid of the heat exchanger, ~~runs through the circulating ducts and~~ heats up the flow of air which sweeps across the heat-exchange surfaces, and ~~such that the heat storage fluid adjacent to the heat transfer fluid circulating ducts constitutes a reserve of heat such that it is able to heat~~ constitutes a reserve of heat, so that the heat storage fluid is capable of heating up the flow of air which sweeps across the heat-exchange surfaces if the circulation of the heating fluid through the heating radiator is temporarily stopped.